

CORRELATING AND ALIGNING MONITORED SIGNALS FOR COMPUTER SYSTEM PERFORMANCE PARAMETERS

ABSTRACT

One embodiment of the present invention provides a system that facilitates aligning a first signal with a second signal in a manner that optimizes a correlation between the first signal and the second signal. The system starts by receiving a set of signals, including the first signal and the second signal. The system then determines a correlation between the first signal and the second signal. Next, the system adjusts an alignment between the first signal and again determines a correlation between the first signal and the second signal. If the correlation is greater with the alignment adjustment, the system adjusts the alignment between the first signal and the second signal. This process of adjusting the alignment is repeated for different alignments to find an optimal alignment. Hence, the present invention operates effectively for signal sources which may be independently speeding up and slowing down with respect to each other while under surveillance.